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(51) INT CL⁵
G06F 3/033

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H4T TBML TCHA TCJA T109 T121 T122 T126 T128
T130 T143

(56) Documents Cited
GB 2199169 A GB 2193827 A EP 0302498 A2
US 5025382 A

(58) Field of Search
UK CL (Edition M) G4H HTAA HTAT
INT CL⁵ G06F

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United Kingdom

(54) A user interface system

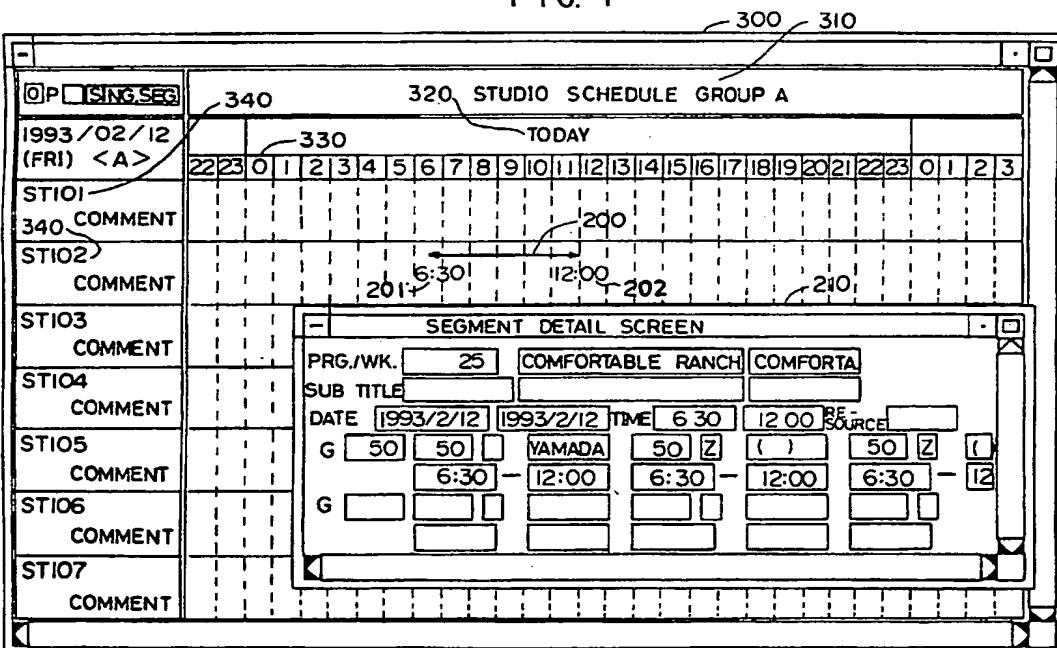
(57) The user interface system inputs a segment 200 by pointing out positions of the display screen with a mouse. The segment has a position and a length to indicate hours or days. The segment editor displays the segment according to the length which is designated by the mouse. The database entry stores the data indicated by the position and the length of the segment as entered data. Additional information for the displayed segment can also be entered.

An area of data which is too long in one direction can be split and displayed in sections in the orthogonal direction.

Data in one window may be repeated in another, sometimes with a different scale.

A number of data items can be scrolled through respective fields simultaneously.

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FIG. 1

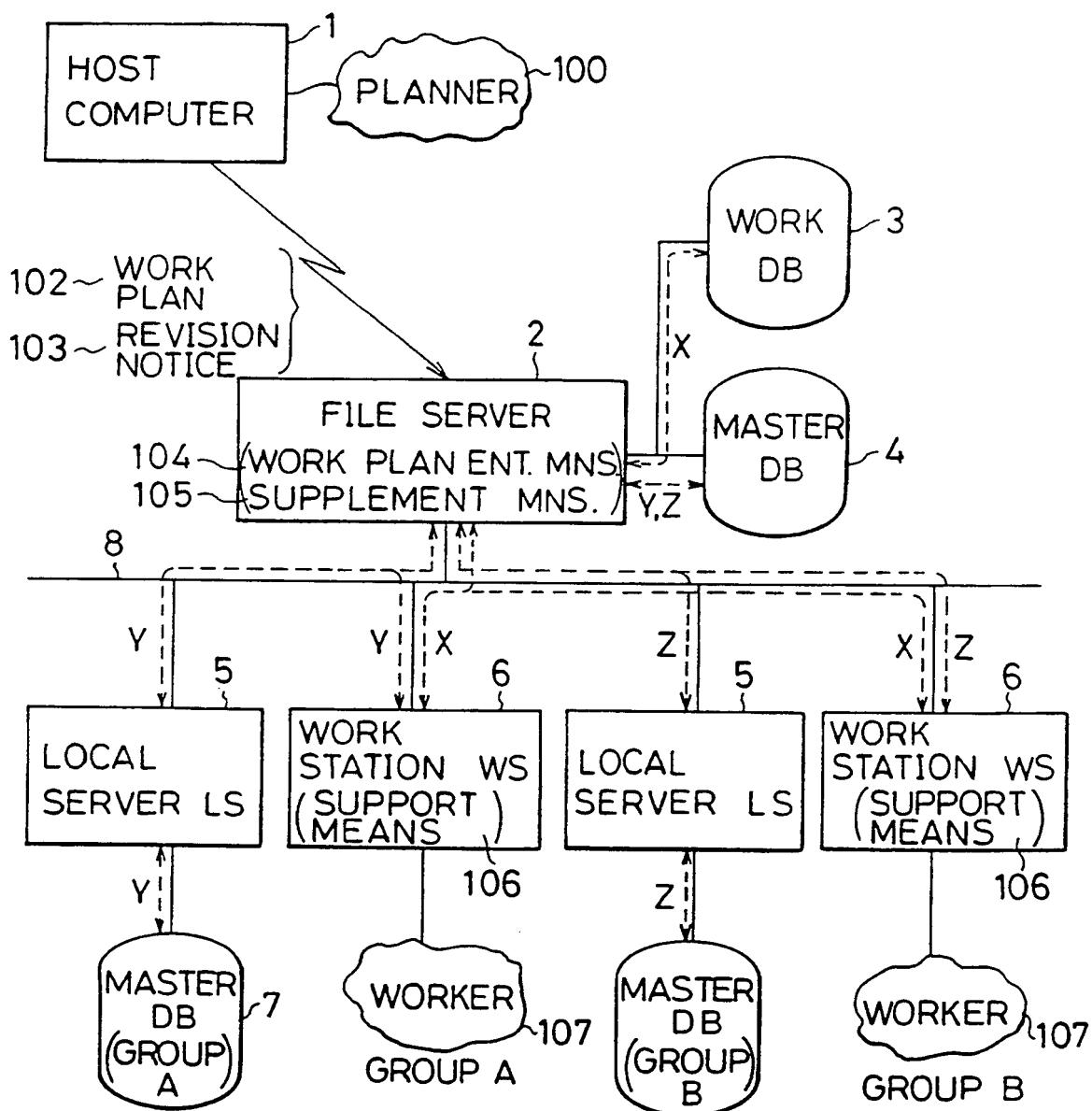


FIG. 2

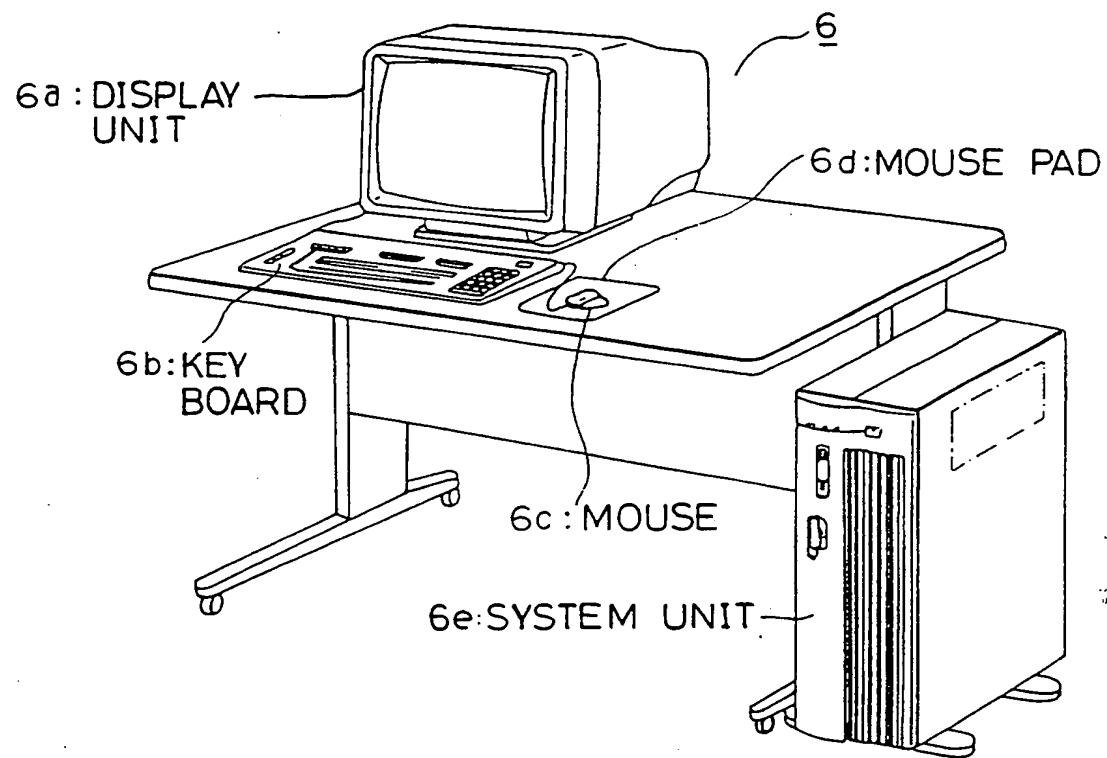


FIG. 3

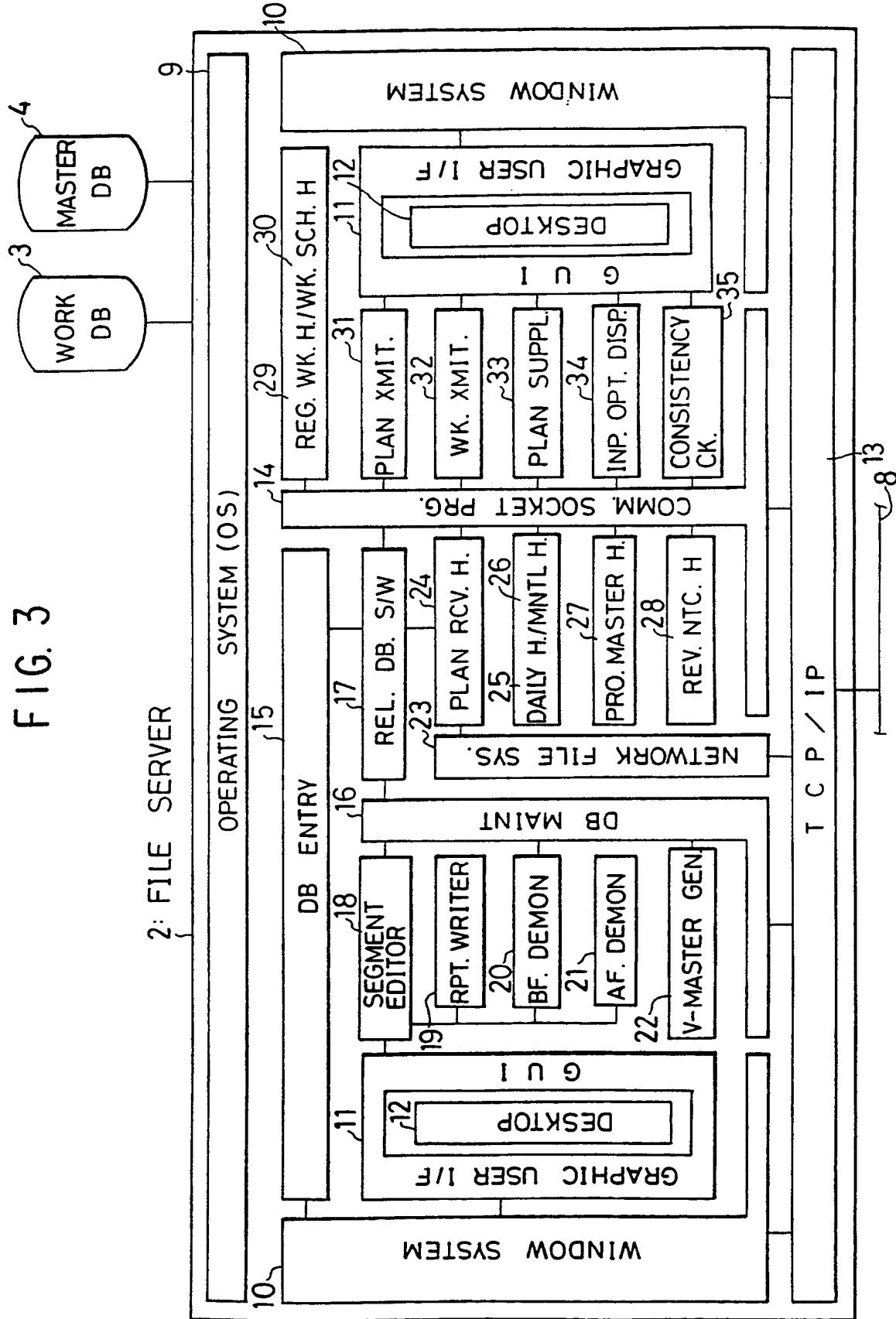


FIG. 4

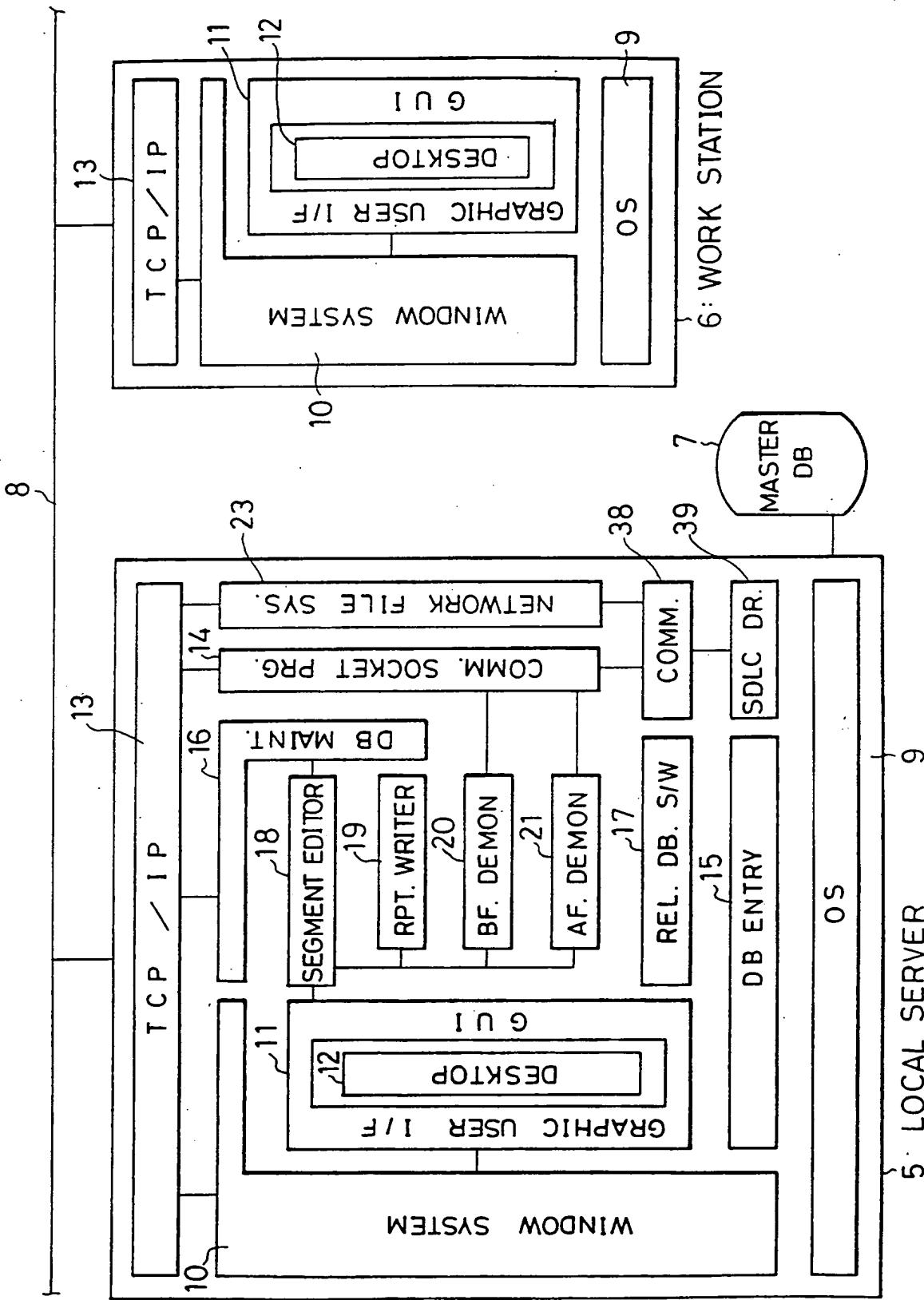


FIG. 5

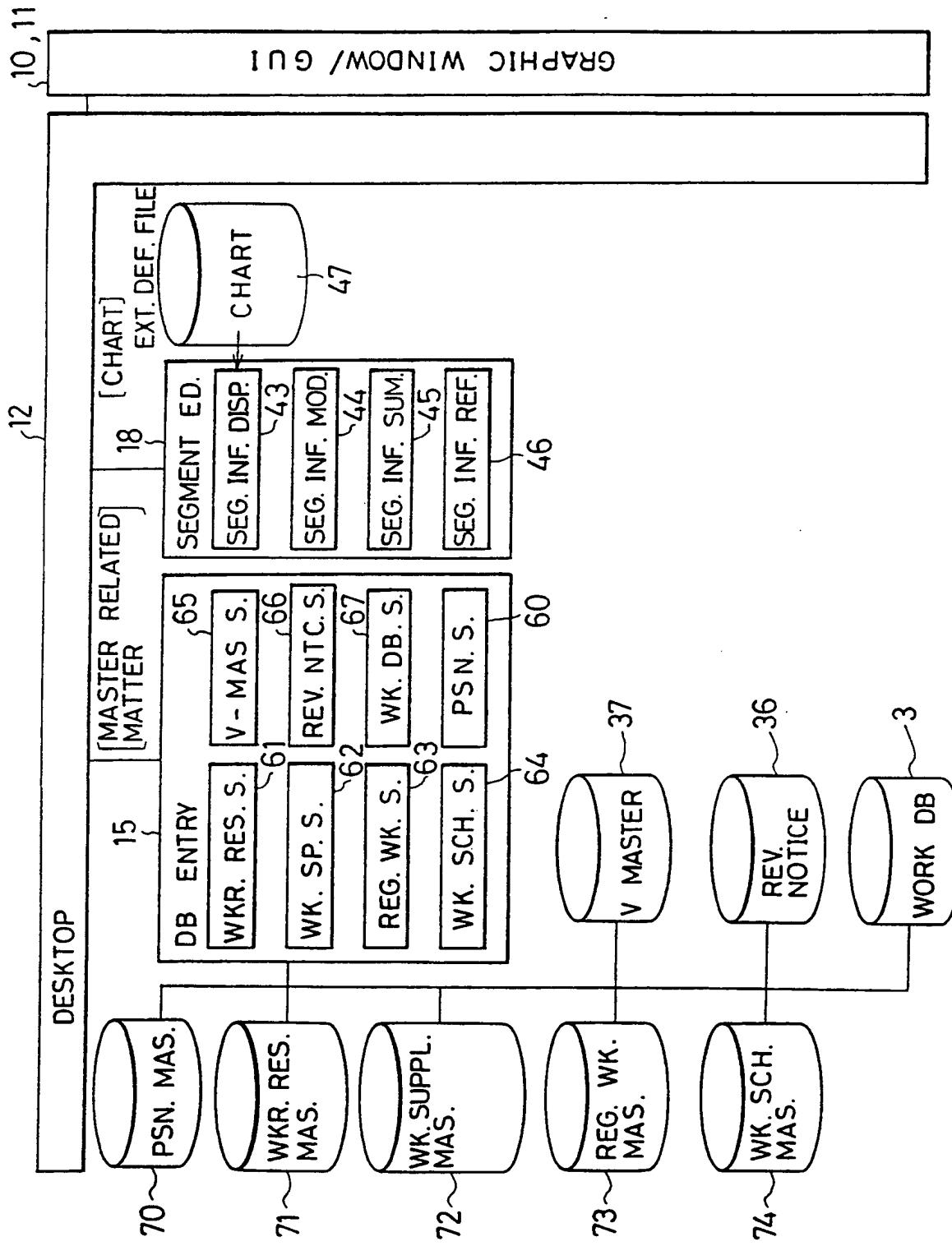
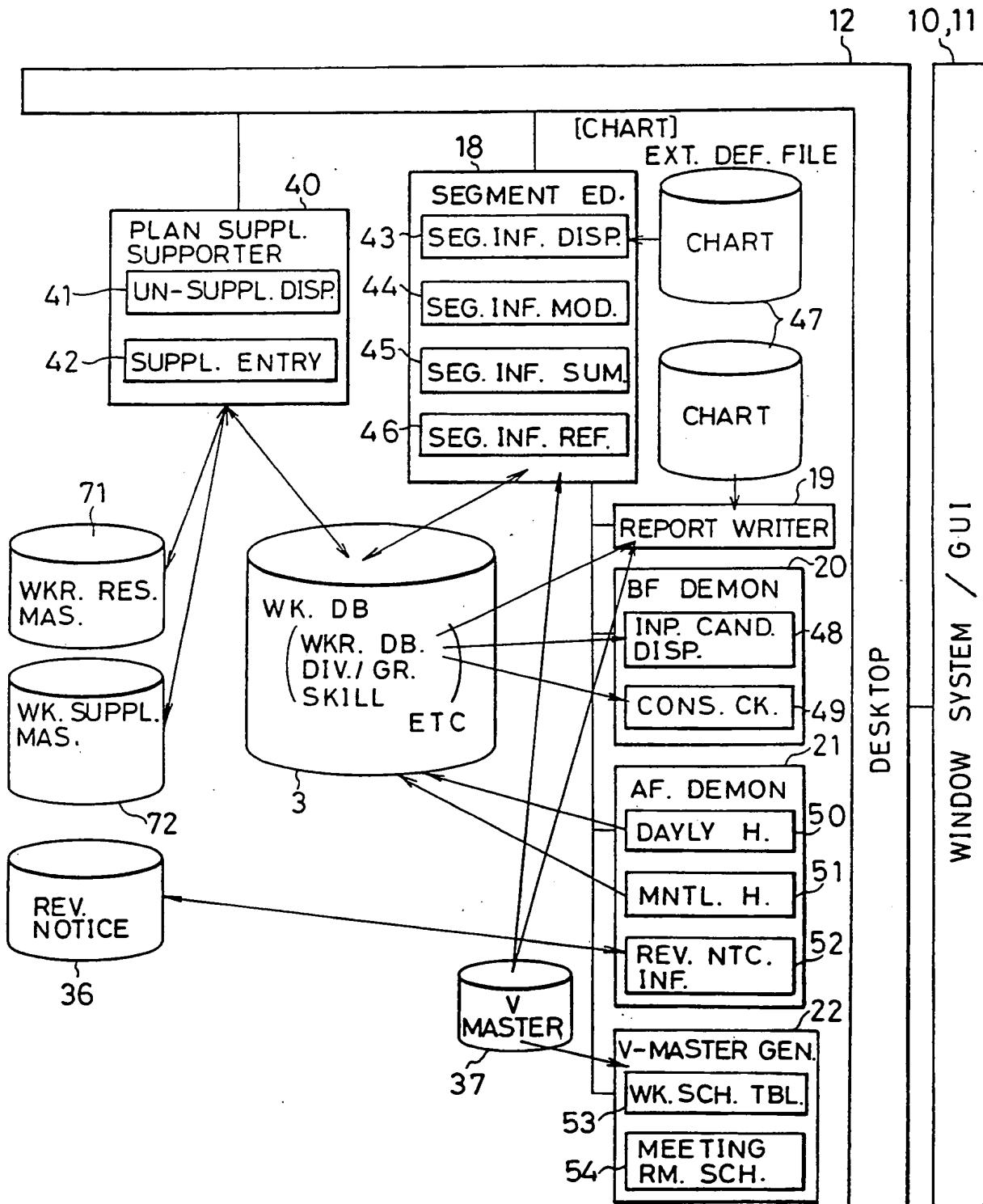


FIG. 6



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FIG. 7

FIG. 8(a)

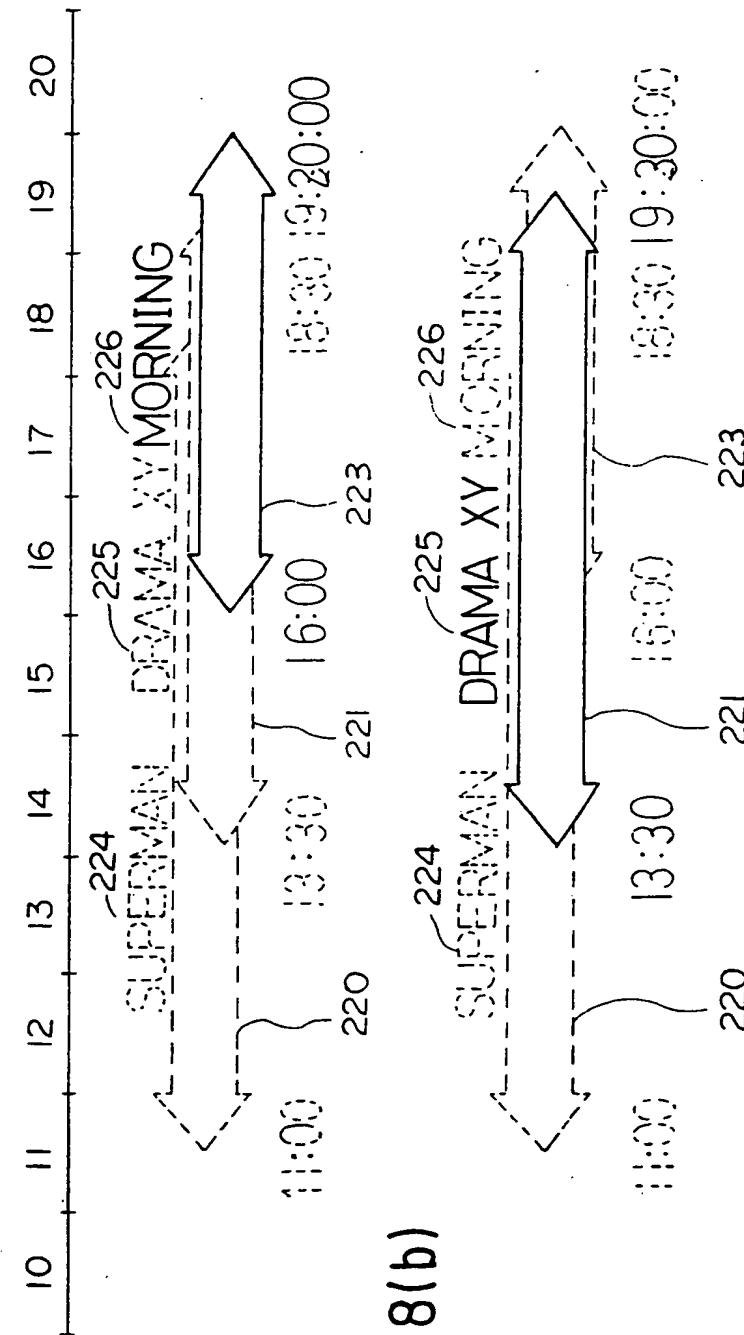
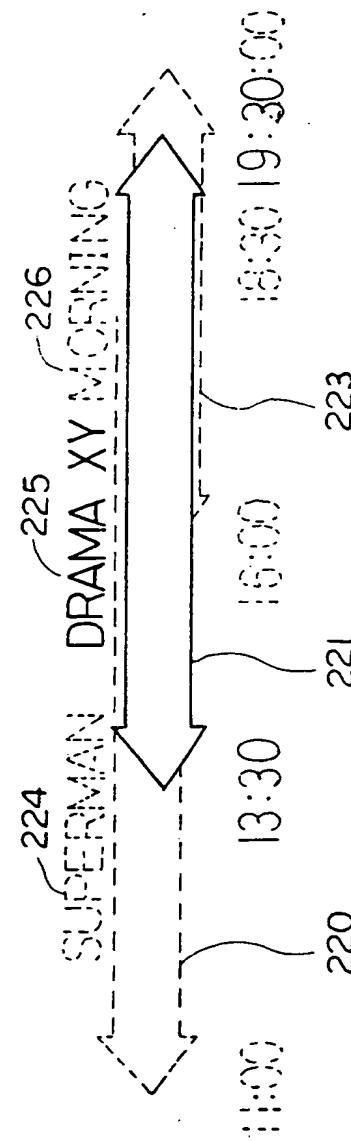


FIG. 8(b)



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MULTI-ROW DISPLAY (A ROW IN UPPER CHART IS EXPANDED TO THREE ROWS IN LOWER CHART.)

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FIG. 10(a)

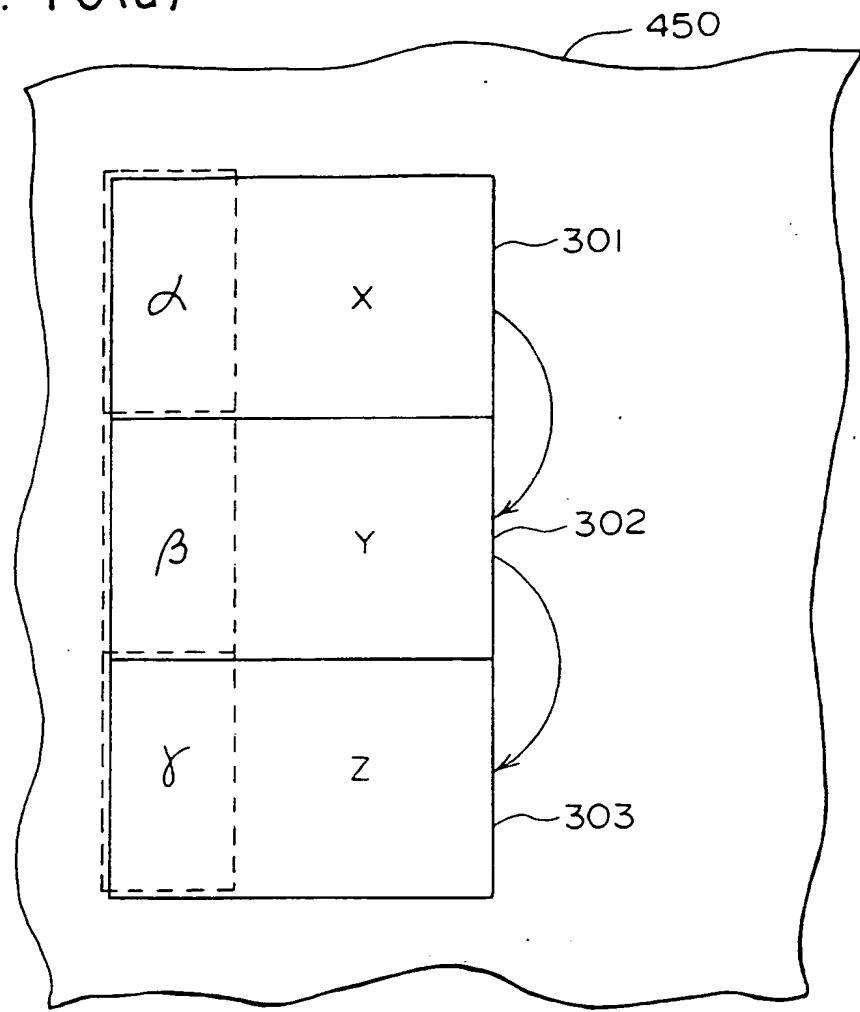


FIG. 10(b) ↓

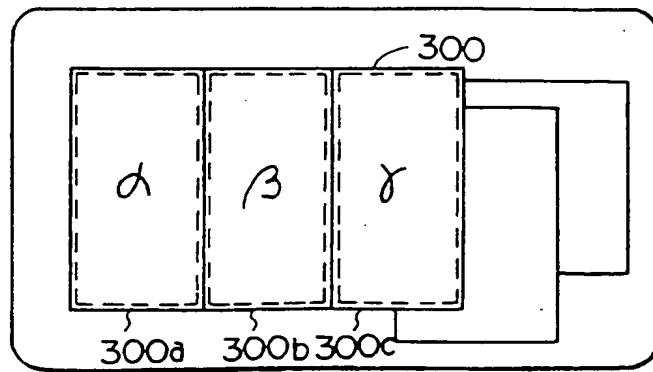


FIG. 11
VERTICAL SEGMENT DISPLAY

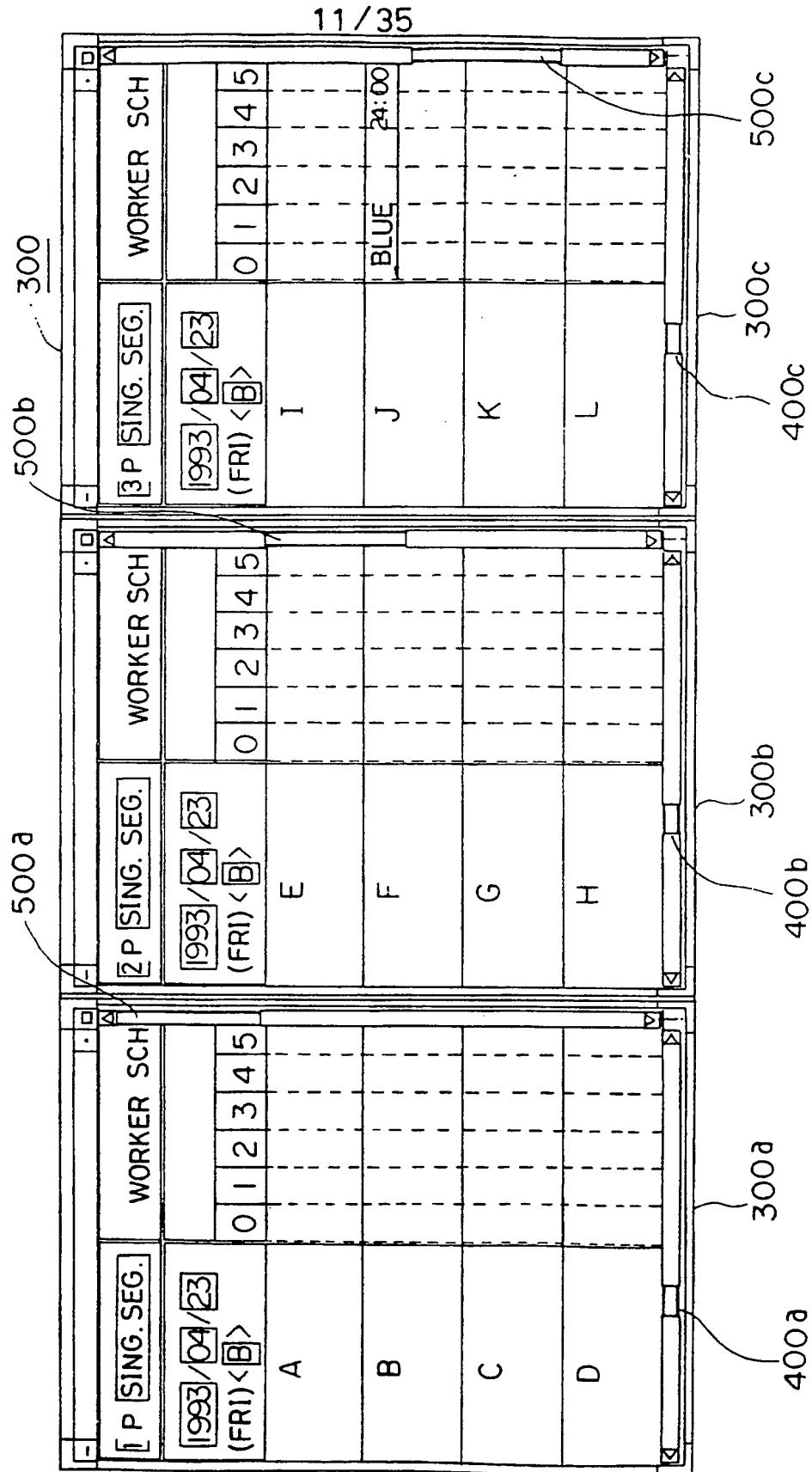


FIG. 12

VERTICAL SEGMENT DISPLAY THREE CHARTS SCROLLS SYNCHRONOUSLY BY SLIDING ONE OF SCROLL BARS DISPLAYED AT THE BOTTOM OF THE CHARTS.

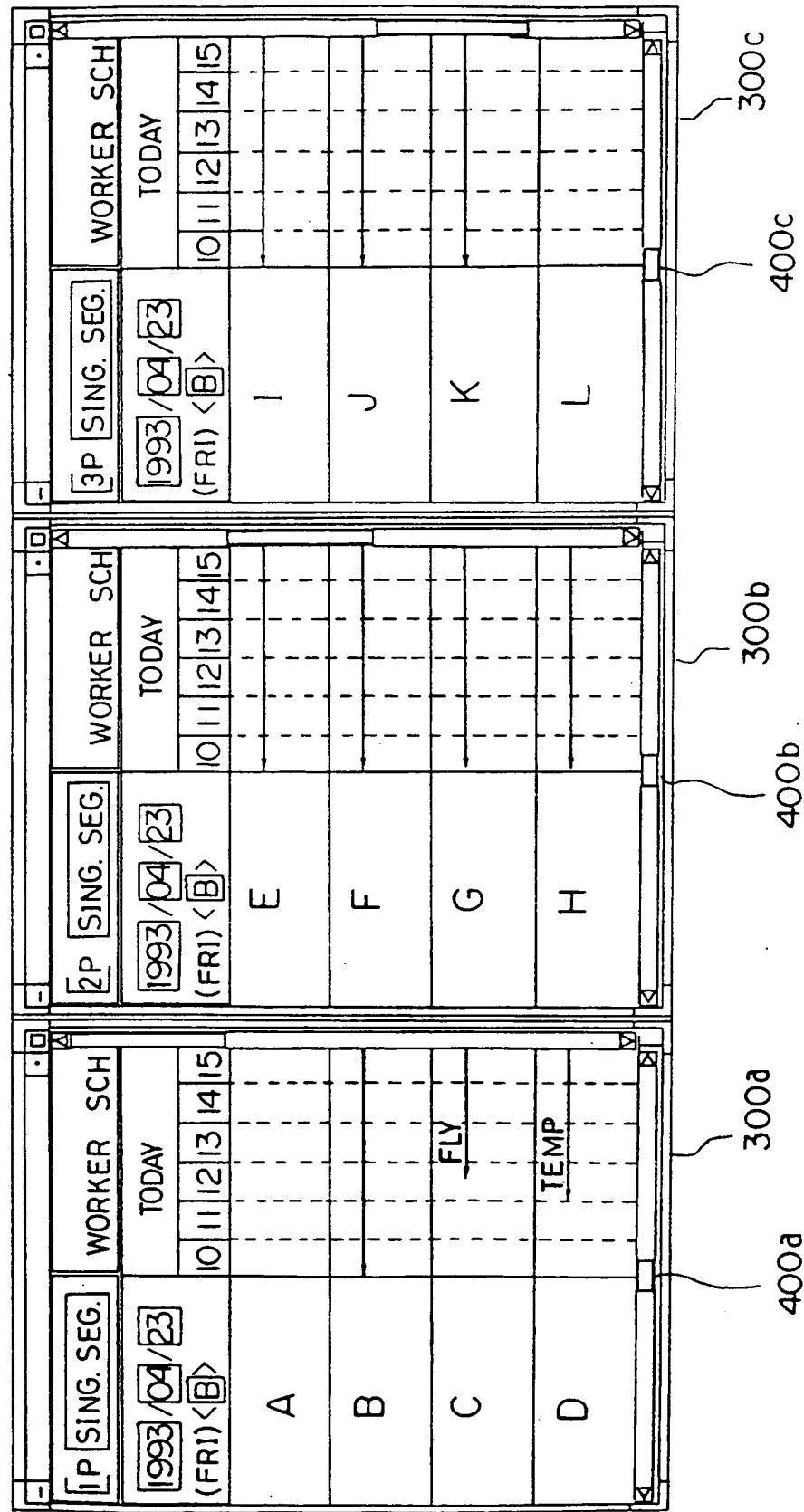


FIG. 13

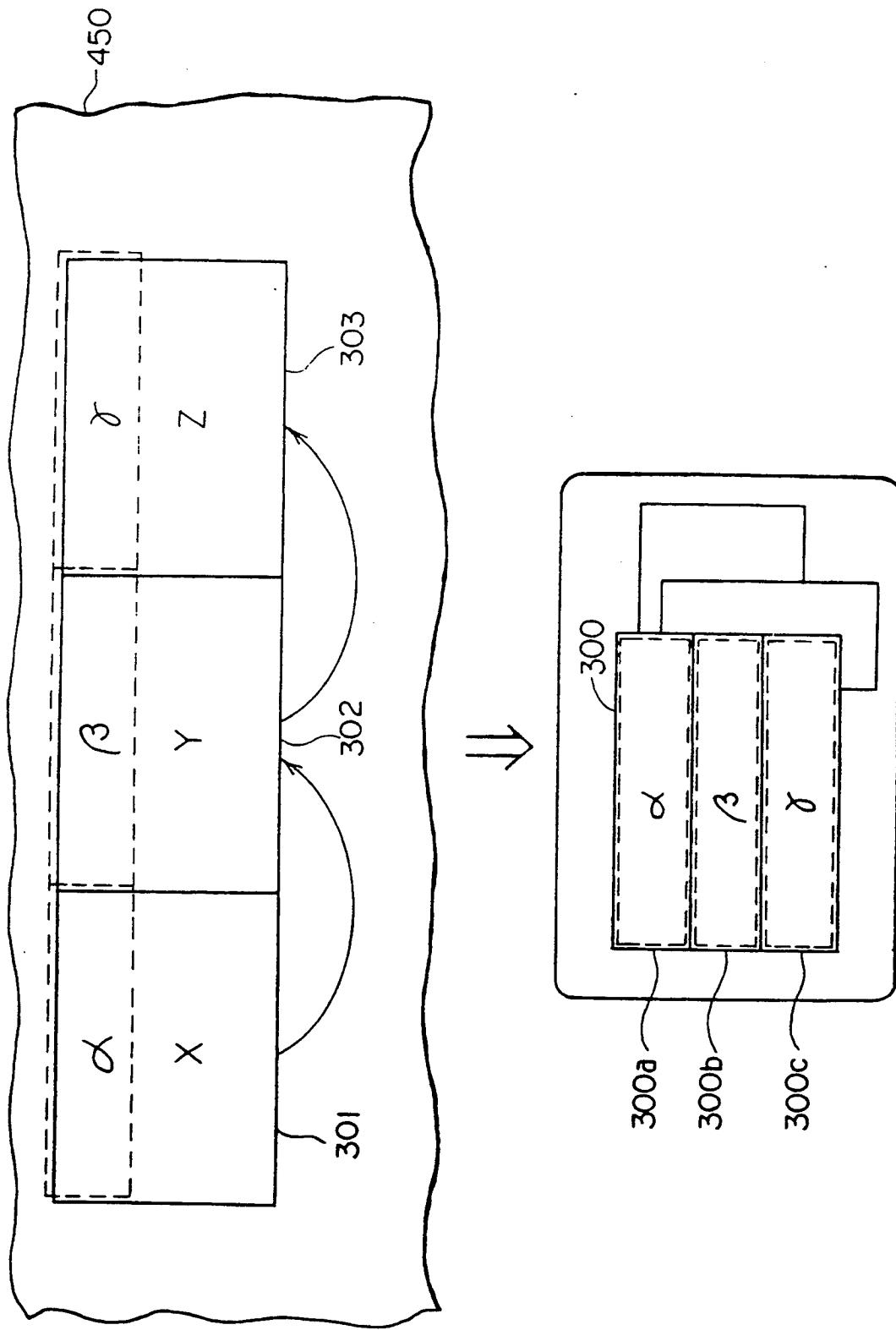


FIG. 14

HORIZONTAL SEGMENT DISPLAY

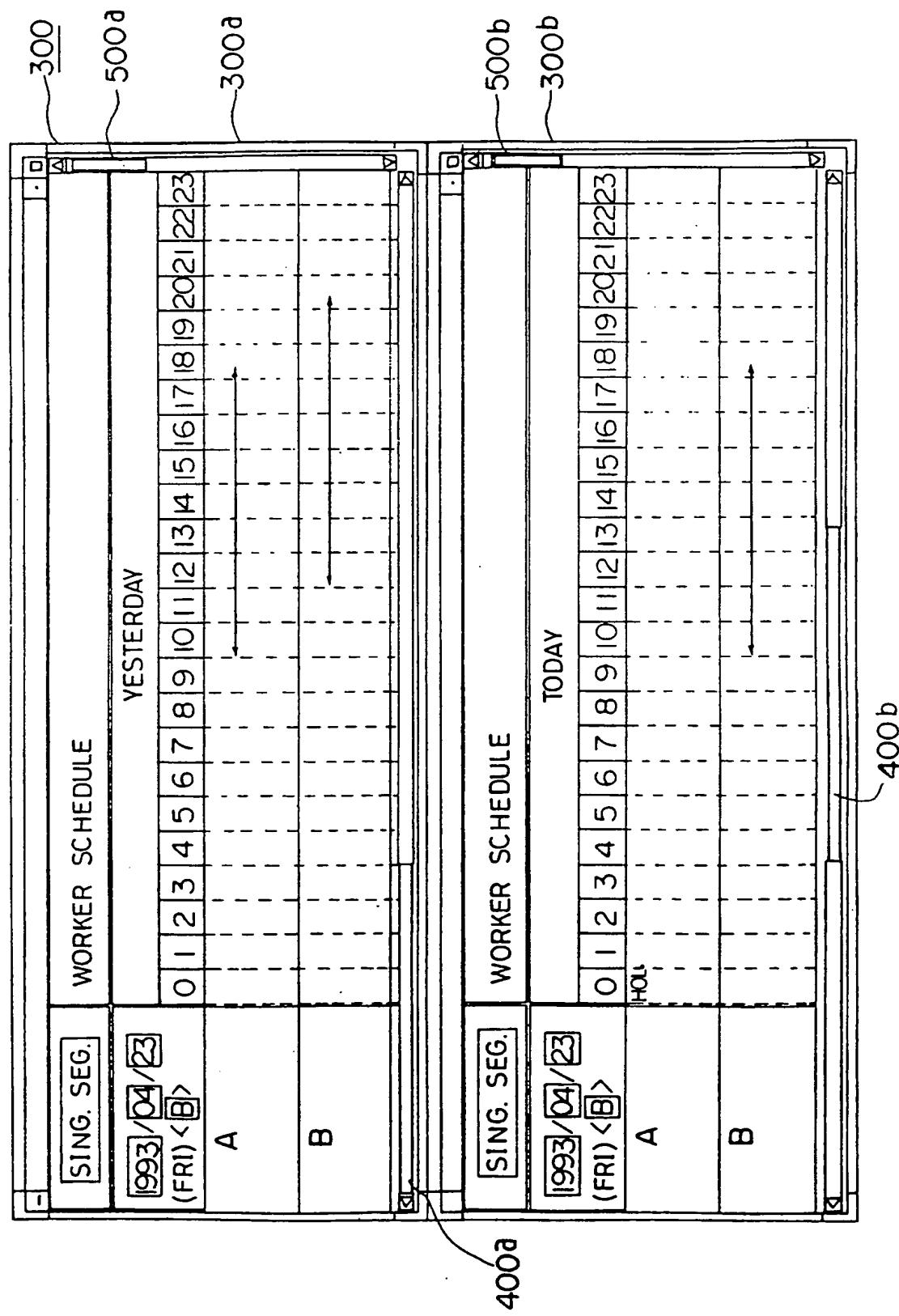
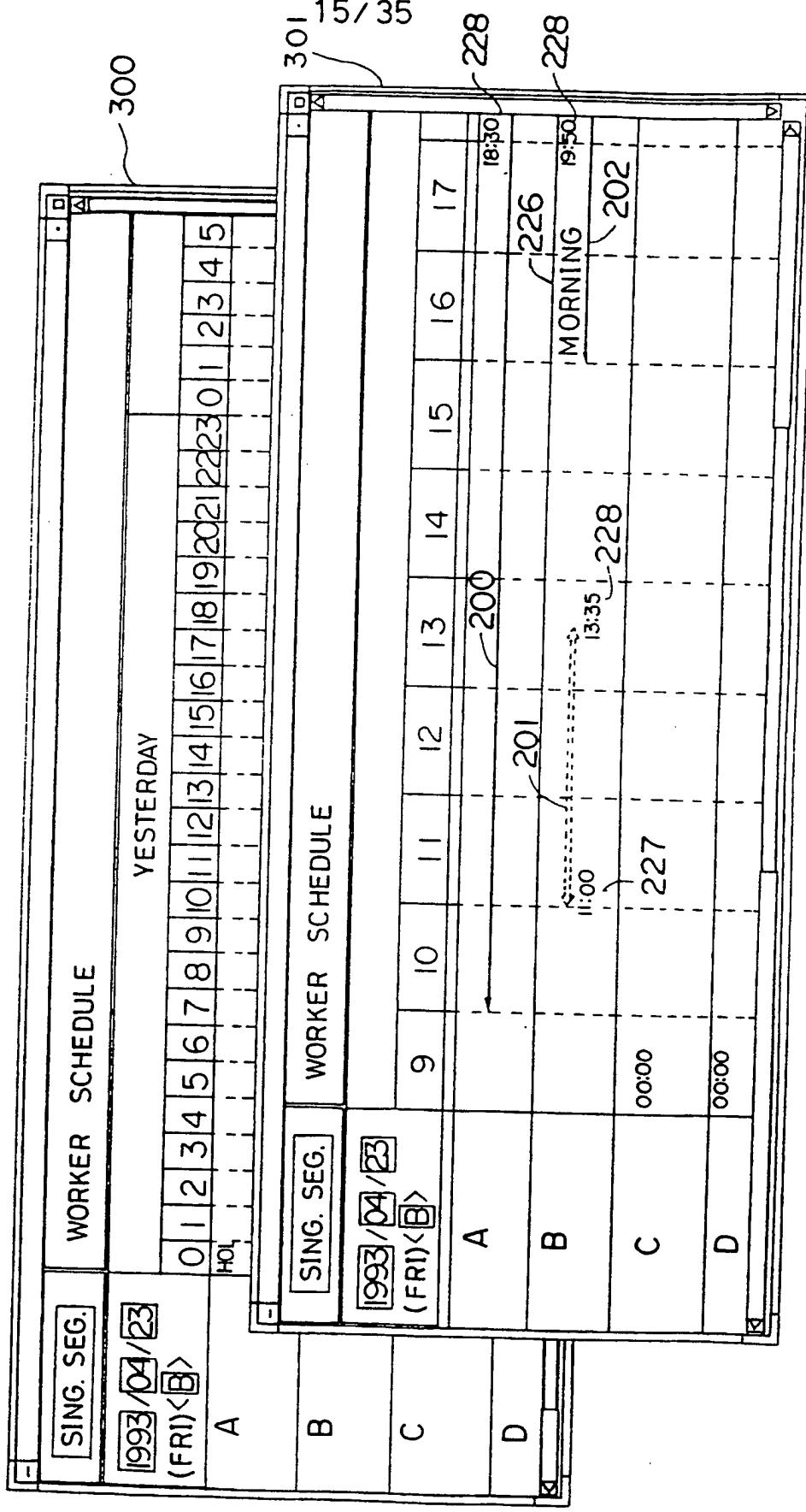


FIG. 15

SCALE ENLARGEMENT



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FIG. 16(a)

MONTHLY CHART — DAILY CHART

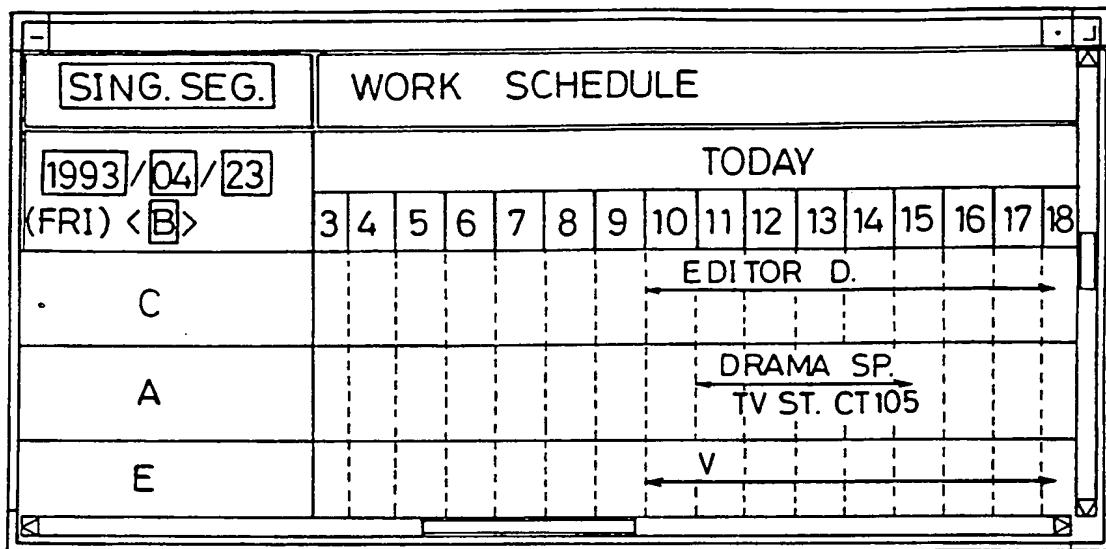
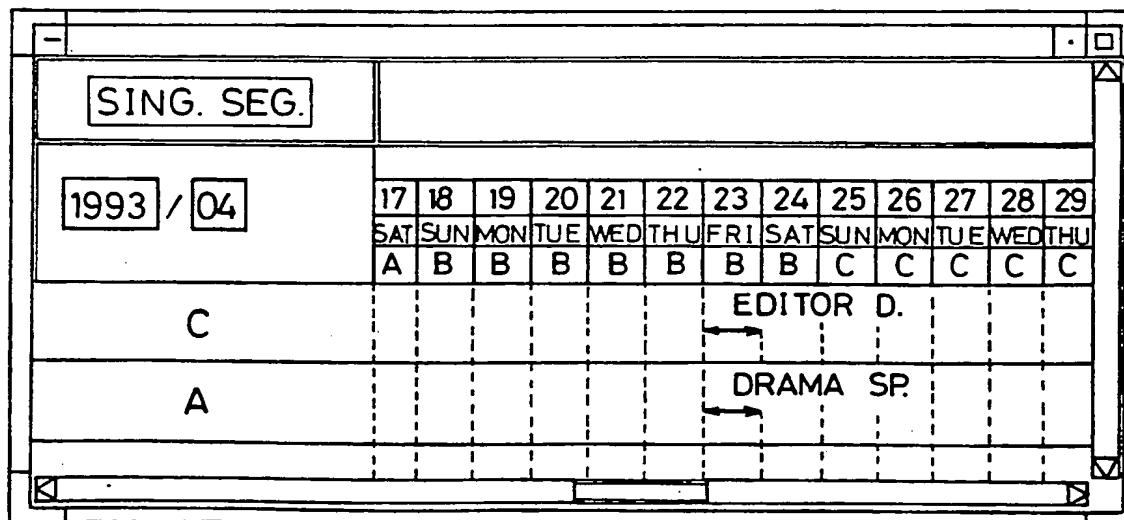


FIG. 16(b)



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FIG. 17

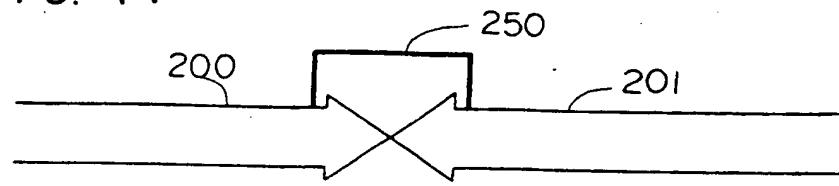


FIG. 18(a)

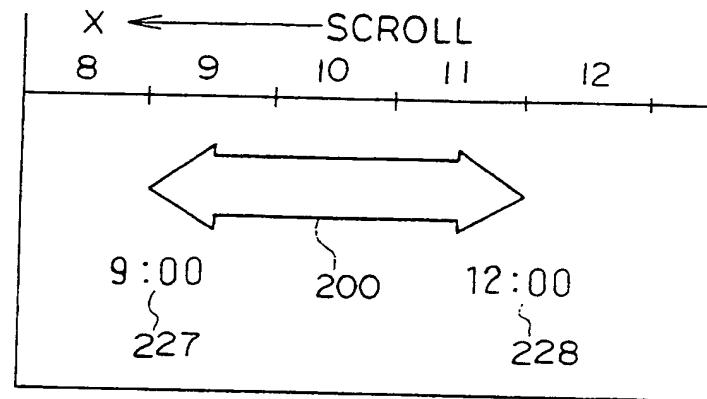
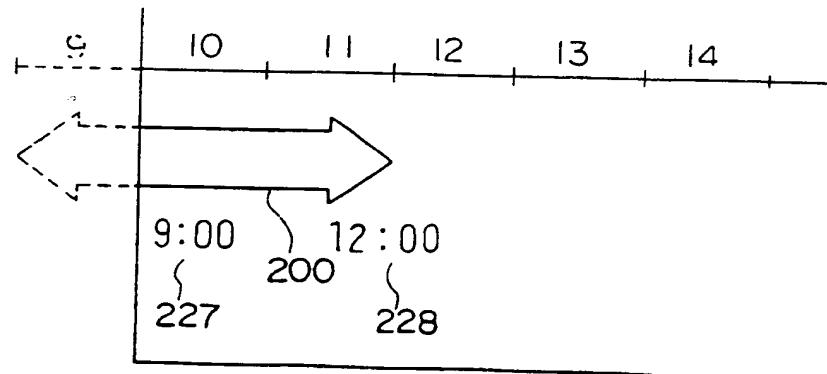


FIG. 18(b)



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FIG. 19

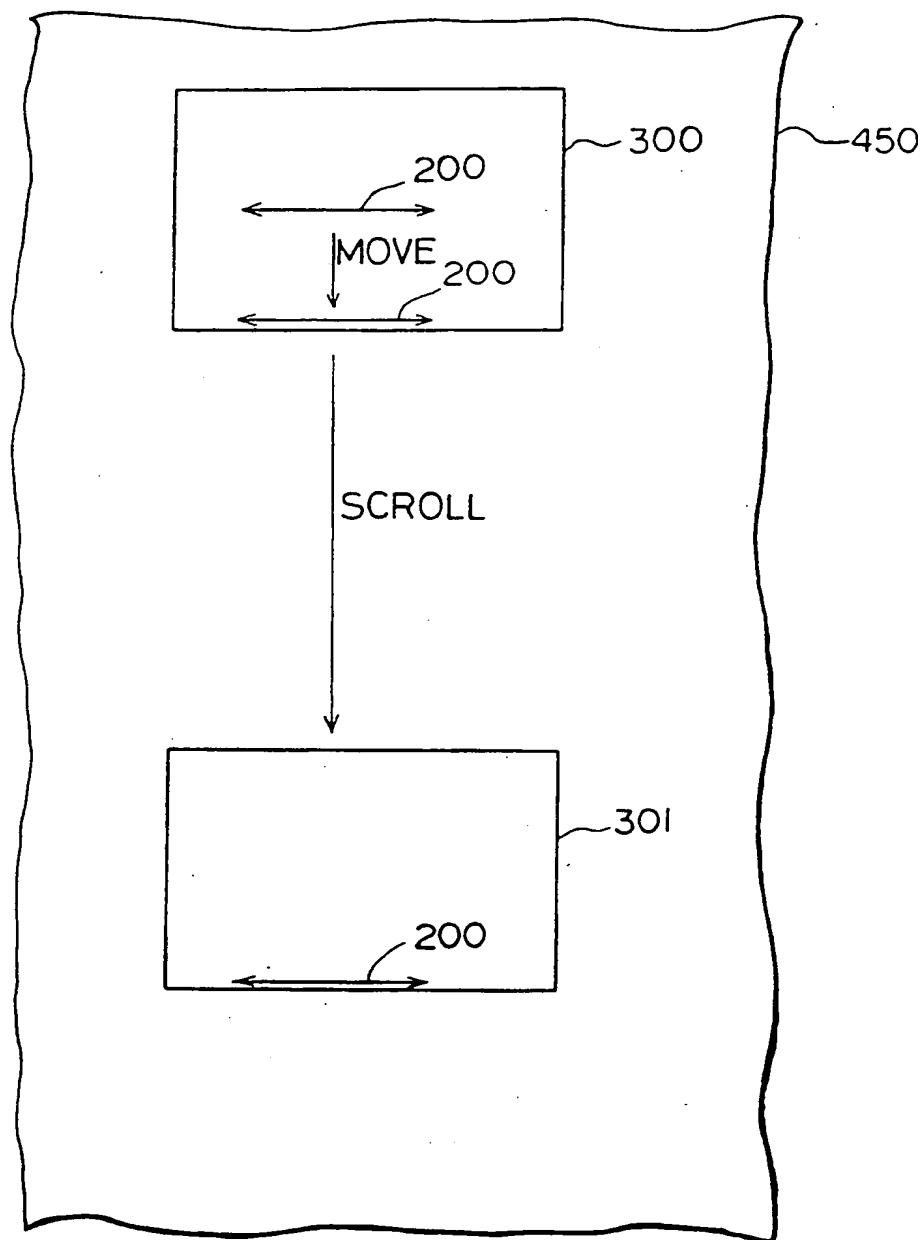


FIG. 20

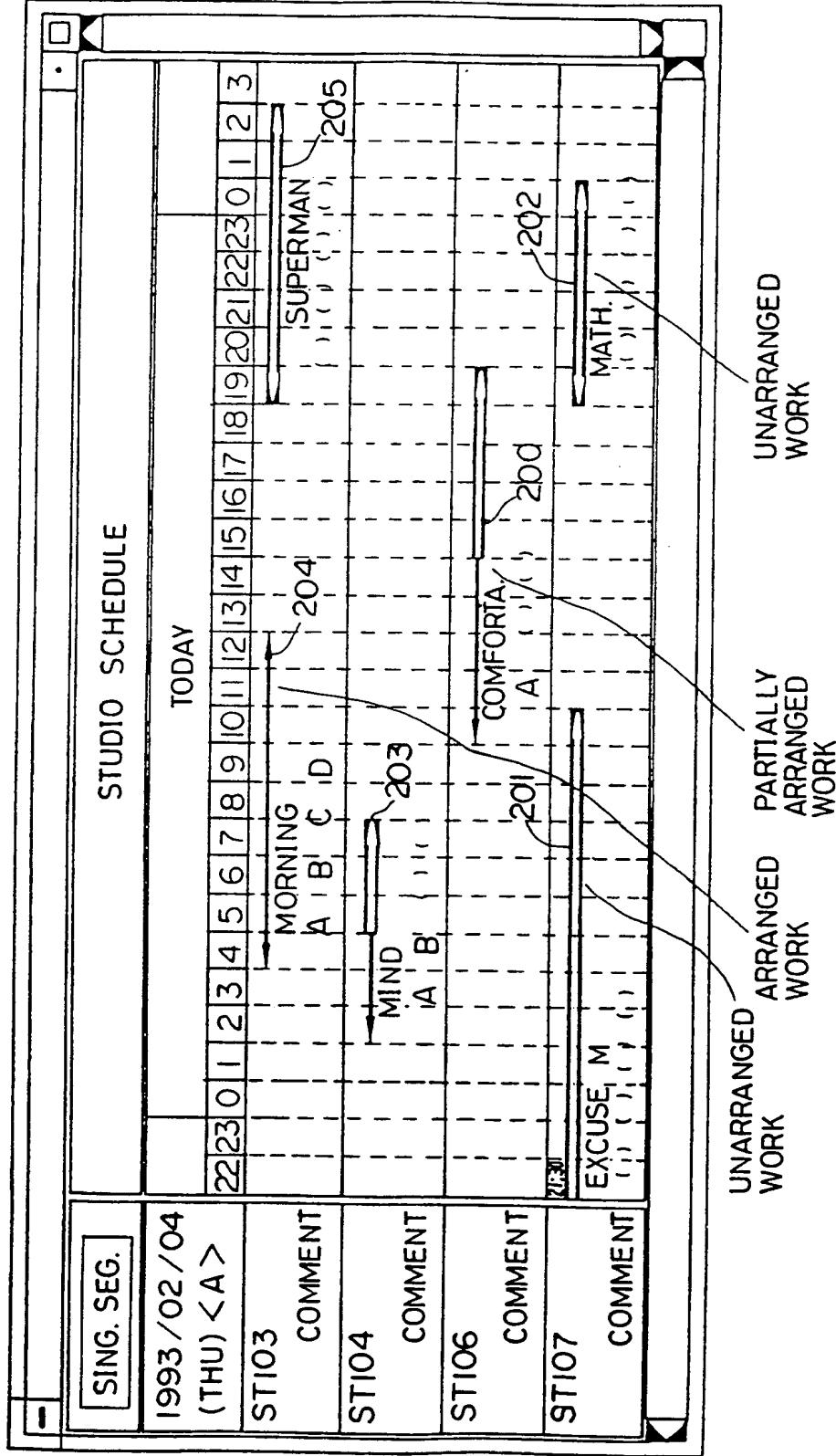


FIG. 21(a)

DEAR OLD MUSIC

FIG. 21(b)

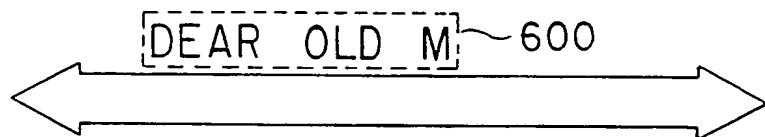


FIG. 21(c)

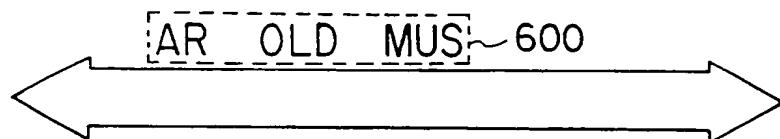


FIG. 21(d)

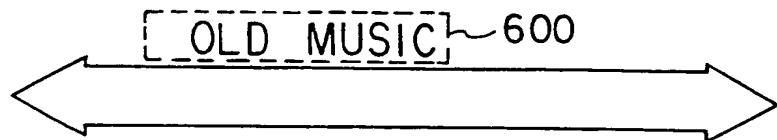
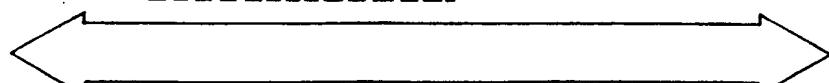


FIG. 22(a) YAMADA SUZUKI KAWAGUCH YOSHIDA

DEAR OLD M ~ 600

FIG. 22(b)



[YAMADA] [SUZUKI] [KAWAGU] ~ 610

601

602

603

FIG. 22(c)

[MADA] [ZUKI] [WAGUCH]

FIG. 22(d)

[DA] [KI] [GUCHI]

FIG. 22(e)

[SU] [KA] [YO]

FIG. 22(f)

[SUZU] [KAWA] [YOSH]

FIG. 22(g)

[SUZUKI] [KAWAGU] [YOSHID]

FIG. 22(h)

[ZUKI] [WAGUCH] [SHIDA]

FIG. 23

MULTI-SEGMENT MOVEMENT

SEG. MOV.		WORK SCHEDULE																											
1993/04/23 (FRI) 		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4	5	6	7	8
A	COMMENT																				200								
B	COMMENT																				201								
C	COMMENT																				202								
D	COMMENT																				203								
E	COMMENT																				204								
F	COMMENT																				205								
G	COMMENT																				206								

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FIG. 24(a)

(a) : ROW EXCHANGING

ROW EXCH.		WORK SCHEDULE												TODAY			
1993/04/23																	
(FRI)		2230123456789101121314151617181920212223012															
A														FLY			
B														SERVICE	200	710	
C														EDITOR DESK	201	711	

FIG. 24(b)

ROW EXCH.		WORK SCHEDULE												TODAY			
1993/04/23																	
(FRI)		2230123456789101121314151617181920212223012															
A														FLY			
B														EDITOR DESK	201		
C														SERVICE	200		



(b) : RESULT OF ROW EXCHANGE

FIG. 25

WORKER CANDIDATES SELECTION

SING. SEG.		SCHEDULE																												
1993	04/23	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	0	1	2	3	4
(FRI)																														
ST101																														
ST102																														
ST111																														

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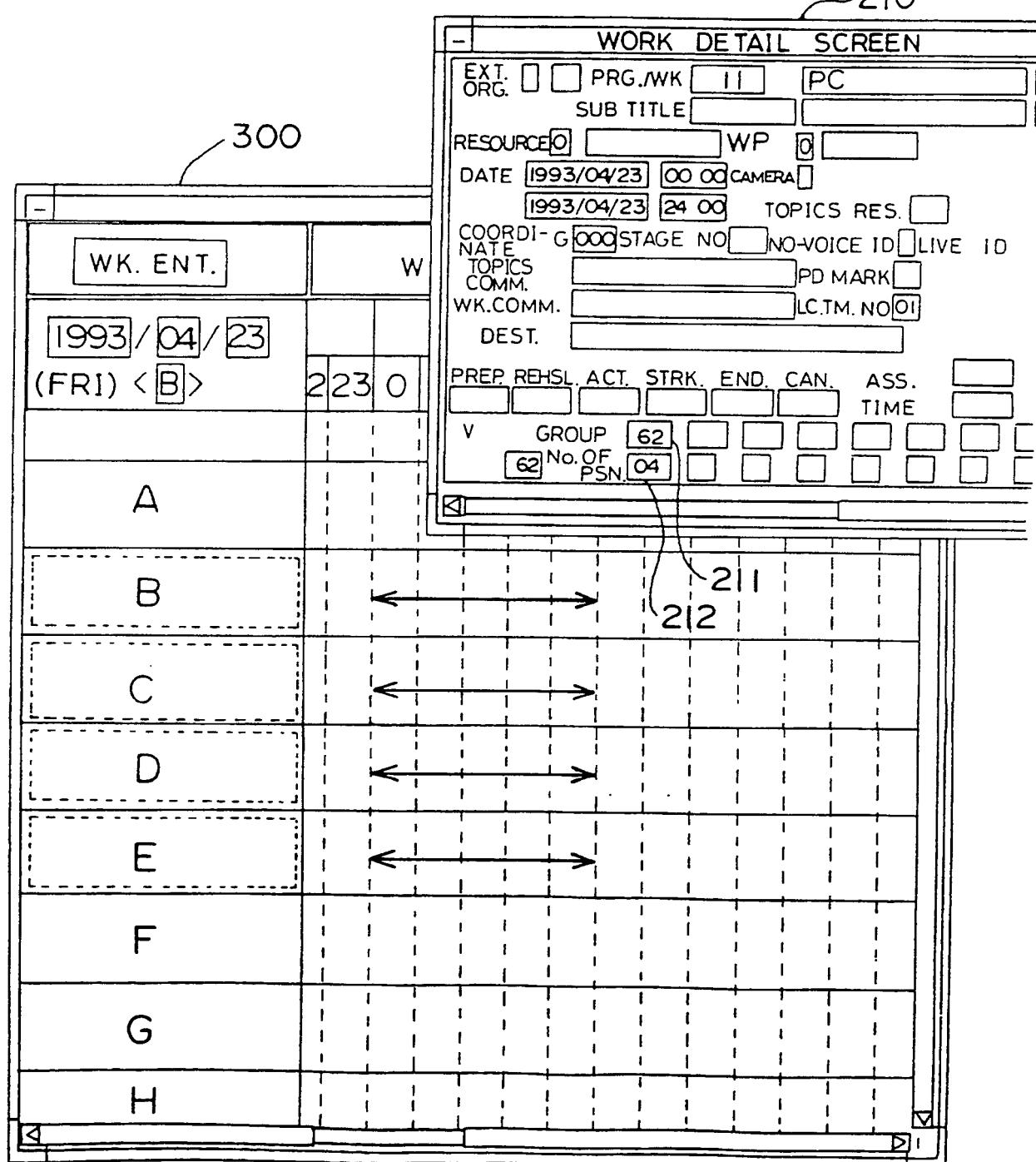
- SEARCHING: REQUEST ±1 HOUR
 GROUP NAME REG. TIME END TIME WORK

INPUT SCREEN
PREV. MENU

PREP.
NXT. P.

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FIG. 26

WORK ENTRY
(CONTINUOUS WORK ENTRY FOR 4 WORKERS)



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FIG. 27

CONTINUOUS WORK EDITING
"MASUI MAINT." IS KEPT IN "WK. COMM."
FOR NEXT SCREEN AFTER ENTRY OF
"WK. COMM."

230

300

WORK DETAIL SCREEN

EXT. ORG.	<input type="checkbox"/>	<input type="checkbox"/>	PRG./WK	08	STAY		
SUB TITLE							
RESOURCE	0		WP	0			
DATE	1993/04/23	00 00	CAMERA				
	1993/04/23	24 00	TOPICS RES.	<input type="checkbox"/>			
COORDINATE	G 000	STAGE NO	<input type="checkbox"/>	NO-VOICE ID	<input type="checkbox"/>	LIVE ID	<input type="checkbox"/>
TOPICS COMM.					PD MARK	<input type="checkbox"/>	
WK. COMM.	MASUI MAINT.		LC.TM.N001				W.K. CO
DEST.							
PREP. REHSL. ACT. STRK. END. CAN. ASS.							
V	GROUP	62					TIME
	No. OF PSN	62	01				
A							
B							
C							
D							
E							
F							
G							
H							

15 30

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FIG. 28

CONTINUOUS WORK ENTRY
SAME COMMENT IS KEPT IN "WK. COMM." FOR
NEXT SCREEN.

230

300

WORK DETAIL SCREEN

EXT. ORG.	<input type="checkbox"/>	<input type="checkbox"/>	PRG./WK	016	HV		
SUB TITLE							
RESOURCE	<input type="checkbox"/>		WP	<input type="checkbox"/>			
DATE	1993/04/23	00 00	CAMERA				
COORDI-	GOOD	STAGE NO	<input type="checkbox"/>	NO-VOICE ID	<input type="checkbox"/>	LIVE ID	<input type="checkbox"/>
NATE							
TOPICS COMM.				PD MARK	<input type="checkbox"/>		WK.CO
W.K. COMM.	MASUI MAINT.		LC. TM.NOOI				
DEST.							CORRS.
PREP. REHSL. ACT. STRK. END. CAN.				ASS.	<input type="checkbox"/>		COST
V	GROUP			TIME			
62	No. OF PSN						WKR. OP

A COMMENT

B COMMENT

C COMMENT

D COMMENT

E COMMENT

F COMMENT

G COMMENT

H COMMENT

15,30

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FIG. 29

LOG-IN PANEL

The diagram depicts a rectangular window frame with a title bar at the top. Inside, there is a single-line text input field followed by the label "LOG-IN NAME". Below it is another single-line text input field followed by the label "PASSWORD". The entire drawing is done in black ink on a white background.

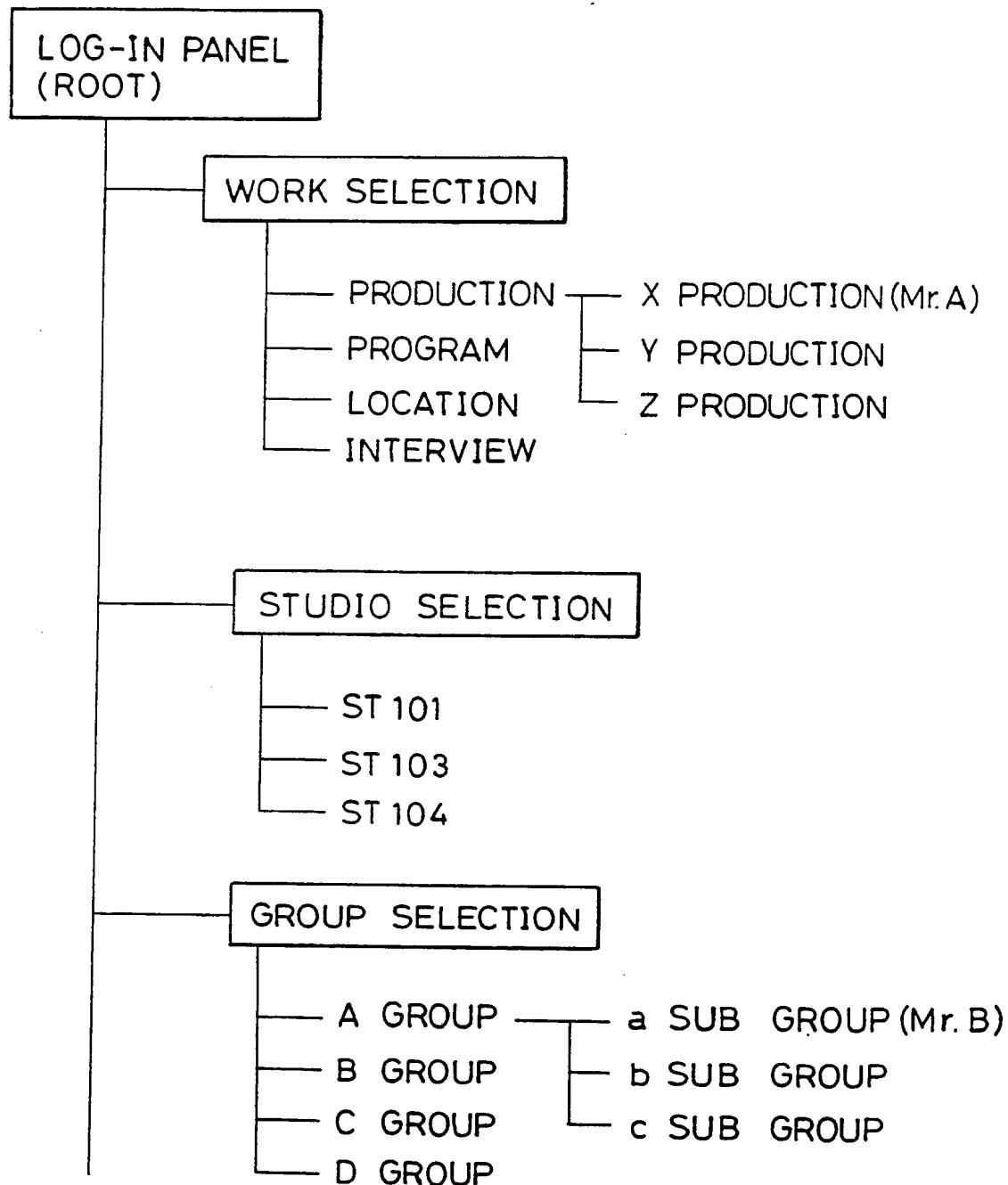
ENTER YOUR LOG-IN NAME AND PASSWORD.

LOG-IN NAME

PASSWORD

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FIG. 30



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FIG. 31(a)

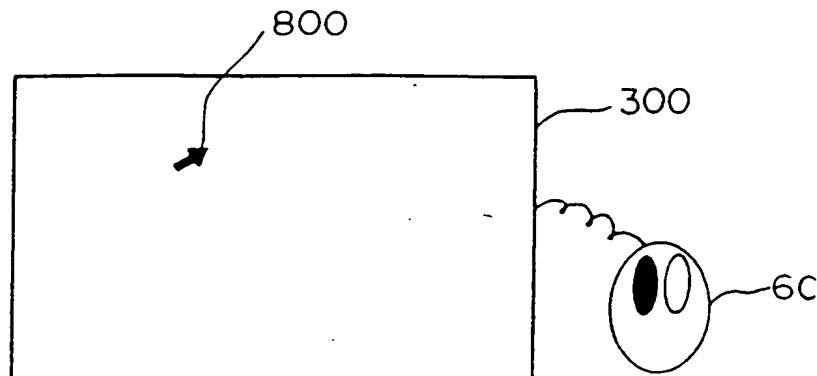


FIG. 31(b)

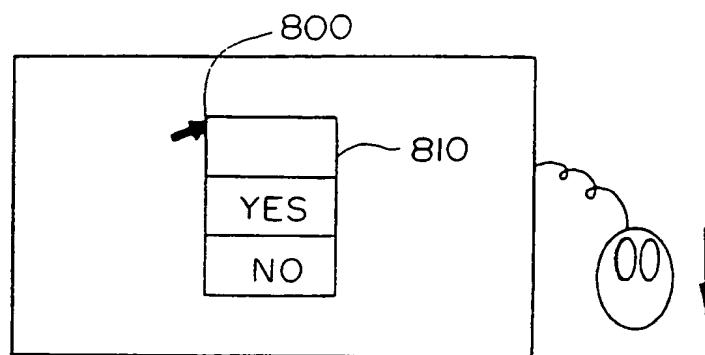


FIG. 31(c)

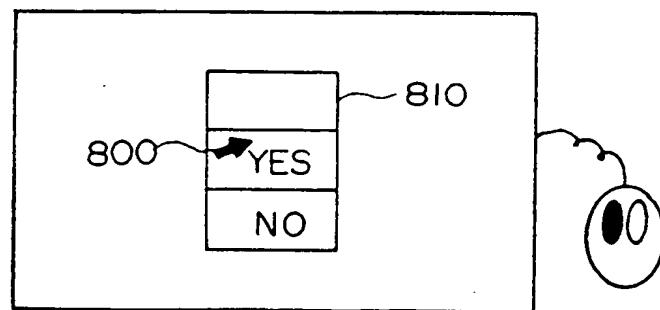


FIG. 31(d)

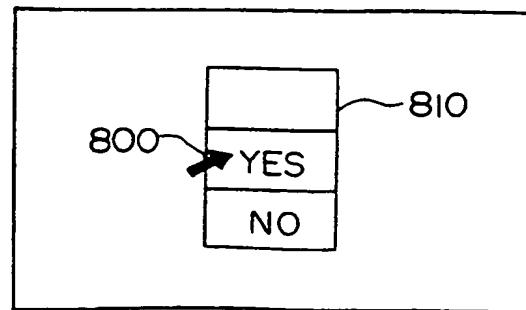


FIG. 32

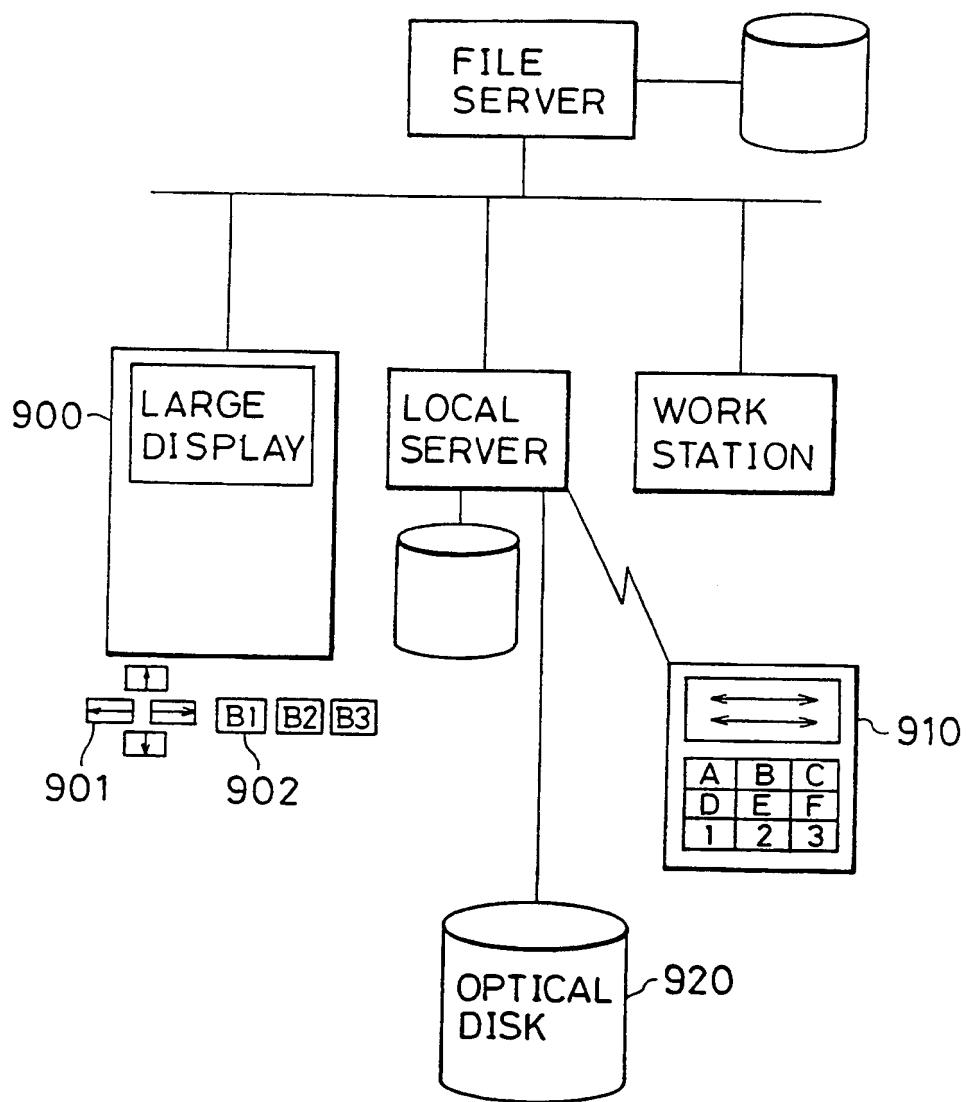


FIG. 33

37" LARGE DISPLAY IS OPERATED BY FOOT MOUSE.
THE DISPLAY SHOWS ONE WEEK SCHEDULE PER PERSON.

YAMADA	0	12	24
1992/12/10(WED)A		↔	
1992/12/11(THU)A			
1992/12/12(FRI)A		↔	
1992/12/13(SAT)A		↓	
1992/12/14(SUN)B		↓	
1992/12/15(MON)B		↔	
1992/12/16(TUE)B		↔	

37 INCH DISPLAY

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FIG. 34

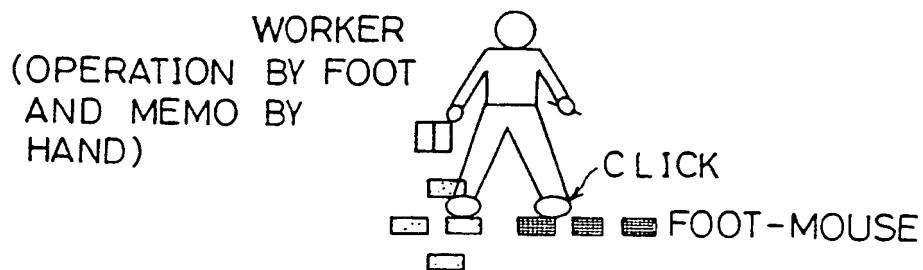
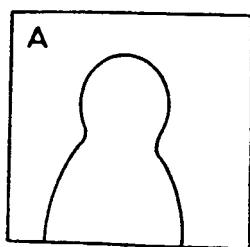


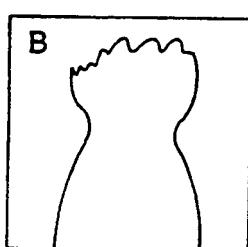
FIG. 35

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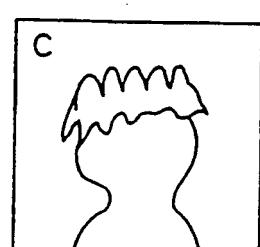
CANDIDATES TABLE			
A	MALE	40 YEARS OLD	-----
B	MALE	20 YEARS OLD	-----
C	FEMALE	35 YEARS OLD	-----
D	MALE	20 YEARS OLD	-----
E	FEMALE	32 YEARS OLD	-----



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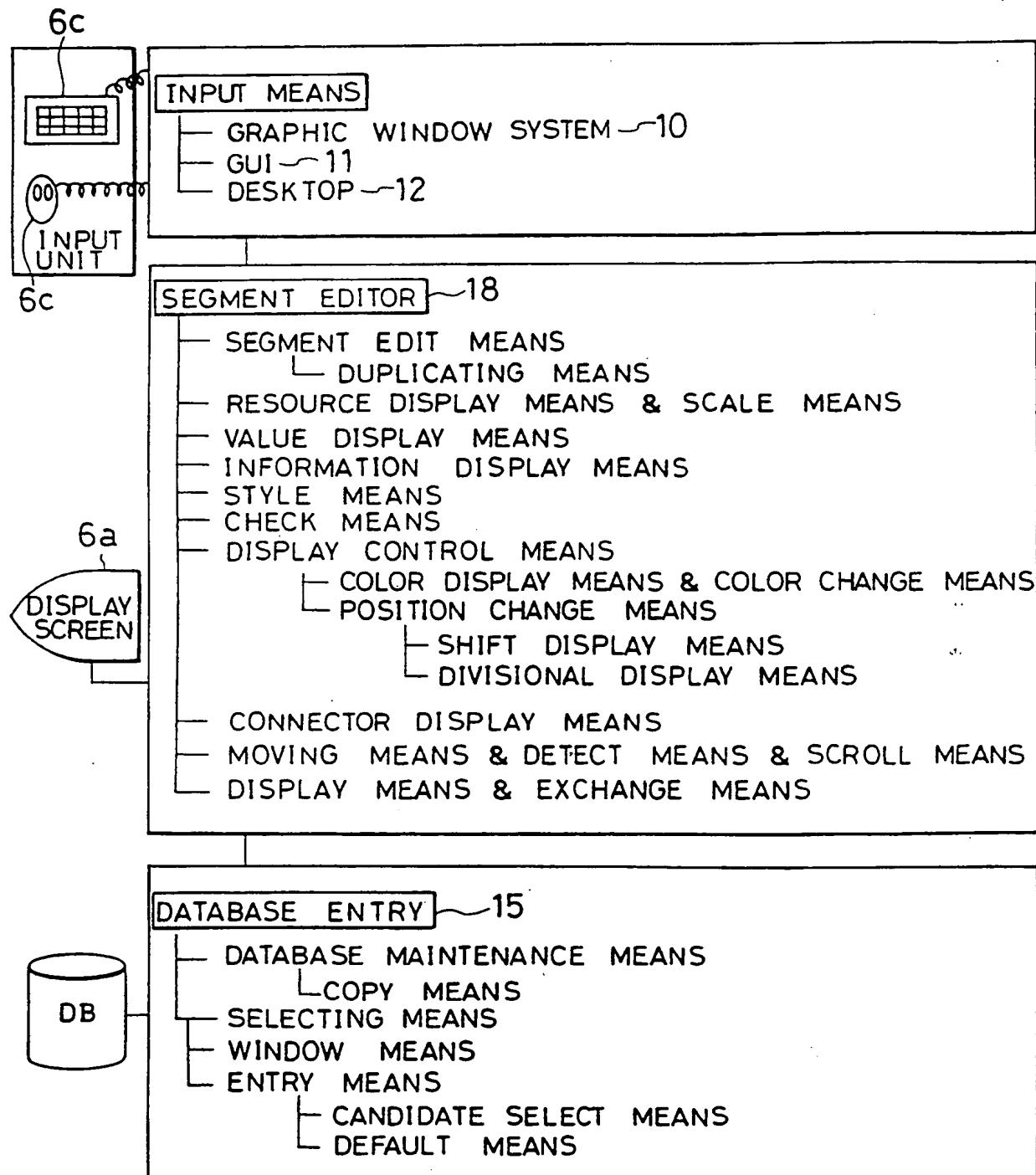


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FIG. 36



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FIG. 37(a)
RELATED ART

301

NO.	ITEM NAME	SCHEDULE			REFE- RENCE
		90/04	05	06	
1	ITEM				

FIG. 37(b)
RELATED ART

402 403 ↓ 401 301

NO.	ITEM NAME	S 05/10 E			REFE- RENCE
		90/04	05	06	
1	ITEM				

FIG. 37(c)
RELATED ART

↓

NO.	ITEM NAME	SCHEDULE			REFE- RENCE
		90/04	05	06	
1	ITEM				